

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
IOWA, Southwest				
MONONA COUNTY --- 3.4 WNW ONAWA [42.05, -96.16], 3.6 W ONAWA [42.04, -96.17]				
	07/06/08 15:30 CST		0	Thunderstorm Wind (EG 55 kt)
	07/06/08 15:30 CST	2	0	Source: Emergency Manager
Thunderstorm wind gusts estimated at over 60 mph blew some trees down on top of campers at the Lewis and Clark State Park, causing 2 minor injuries. Some campers in the area were also rolled due to the winds.				
Very moist and unstable air was situated over eastern Nebraska and southwest Iowa on July 6th. The unstable conditions combined with a weak, nearly stationary front over the area and a weak upper level disturbance, caused a few severe thunderstorms to develop over the region.				
SHELBY COUNTY --- 1.0 N HARLAN [41.66, -95.33], HARLAN [41.65, -95.33]				
	07/07/08 14:35 CST		0	Thunderstorm Wind (MG 59 kt)
	07/07/08 14:45 CST		0	Source: Law Enforcement
Thunderstorm wind gusts were measured at 60 mph by weather equipment at a Coop observers house 1 mile north of Harlan and at 68 mph by the Awos at the Harlan airport. The strong winds downed some large tree limbs in town.				
POTTAWATTAMIE COUNTY --- 0.5 E AVOCA [41.48, -95.34]				
	07/07/08 15:54 CST		0	Thunderstorm Wind (MG 52 kt)
	07/07/08 15:54 CST		0	Source: Mesonet
An Iowa Department of Highway Rwis station measured a thunderstorm wind gust of 60 mph along Interstate 80 near Avoca.				
POTTAWATTAMIE COUNTY --- 2.8 S TREYNOR [41.19, -95.61], 3.0 SE TREYNOR [41.20, -95.58]				
	07/07/08 16:30 CST		0	Hail (0.75 in)
	07/07/08 16:35 CST		0	Source: Public
Hail up to penny-size was reported for about 5 minutes just south through southeast of Treynor. The hail was accompanied by winds up to 50 mph.				
POTTAWATTAMIE COUNTY --- 0.7 S OAKLAND [41.31, -95.40]				
	07/07/08 17:06 CST		0	Thunderstorm Wind (EG 55 kt)
	07/07/08 17:06 CST		0	Source: Public
Thunderstorm wind gusts estimated at over 60 mph downed a few trees across Highway 6 near Oakland.				
Unstable conditions and a weak cold front provided the necessary ingredients for a few severe thunderstorms to develop in southwest Iowa during the mid afternoon and early evening hours of July 7. The storms briefly produced damaging winds as they developed and then collapsed.				
MILLS COUNTY --- 4.6 NW HENDERSON [41.17, -95.52], 3.6 N MALVERN [41.05, -95.61]				
	07/08/08 16:28 CST		0	Funnel Cloud
	07/08/08 16:33 CST		0	Source: Law Enforcement
A high based non-supercell thunderstorm produced a funnel cloud that was estimated to have been east of Glenwood but also seen from several other surrounding communities. The funnel did not apparently touch down.				
A line of thunderstorms developed by late afternoon along a very weak nearly stationary front that stretched from southeast Nebraska into southwest Iowa. The line of storms dropped slowly south and spun up several narrow non-supercell funnel clouds or tornadoes on the updraft portion of the leading edge. An isolated storm also produced damaging winds in extreme eastern Nebraska.				
POTTAWATTAMIE COUNTY --- 8.9 E MACEDONIA [41.21, -95.26]				
	07/11/08 23:25 CST		0	Hail (0.75 in)
	07/11/08 23:25 CST		0	Source: Public
A cold front that moved across the area kicked off a relatively small complex of severe thunderstorms over east central and southeast Nebraska and southwest Iowa. Initially, as the front came through during the late afternoon hours, warm mid level temperatures limited coverage and strength of the activity. However, around sunset mid level cooling, aided by a weak upper level disturbance, helped increase the strength of convection that was developing above the cap just to the west of the area. These thunderstorms then tracked across the region and produced areas of damaging winds, mostly in southeast Nebraska, along with one report of large hail in western Iowa.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
HARRISON COUNTY --- 0.7 N LITTLE SIOUX [41.81, -96.03]				
	07/15/08 16:44 CST		0	Thunderstorm Wind (EG 52 kt)
	07/15/08 16:44 CST		0	Source: Trained Spotter
A thunderstorm wind gust estimated at around 60 mph downed a few 12 to 18 foot tree limbs.				
MILLS COUNTY --- 2.9 SW PACIFIC CITY [41.02, -95.86]				
	07/15/08 21:38 CST		0	Thunderstorm Wind (EG 52 kt)
	07/15/08 21:38 CST		0	Source: Trained Spotter
A spotter estimated thunderstorm wind gusts of 60 mph west of Pacific Jct.				
Thunderstorms developed on the edge of an instability axis over northeast Nebraska and western Iowa during the mid afternoon hours of July 15th. Surface temperatures in the 90s and dewpoint temperatures of 65 to 70 degrees were common in the more unstable air just south of where the convection developed, compared to slightly hotter but drier air just to the north. One storm produced wind damage over far western Iowa before the activity became more focused over eastern Nebraska. There the thunderstorms produced strong winds...areas of heavy rain and isolated large hail...as they congealed into a bow echo and moved southeast across the Omaha and Lincoln areas before weakening.				
MONONA COUNTY --- 0.5 E MAPLETON [42.17, -95.79]				
	07/20/08 13:15 CST		0	Hail (0.75 in)
	07/20/08 13:15 CST		0	Source: Trained Spotter
Severe thunderstorms that produced large hail developed around sunrise on July 20th over northeast Nebraska. The storms developed north of a weak stationary front over eastern Nebraska and were fed by an elevated layer of warm and moist air. The storms tracked slowly southeast and would dissipate as they moved away from their source and into a warm and dry layer of air aloft. The activity shifted into western Iowa during the early afternoon hours before dissipating by mid afternoon.				
MONONA COUNTY --- 4.6 ENE ALBATON [42.21, -96.22]				
	07/21/08 00:09 CST		0	Thunderstorm Wind (MG 64 kt)
	07/21/08 00:09 CST		0	Source: Public
Thunderstorm wind gusts were measured at 74 mph by wind equipment just south of Sloan. The winds did some tree damage in the area.				
A line of severe thunderstorms developed over north central and northwest Nebraska during the early evening hours of July 21. The storms developed north of a weak cold front/outflow boundary left over from morning thunderstorms in northeast Nebraska. Since the storms developed on the edge of an extremely unstable airmass, a few supercells were embedded within the line. The activity shifted east during the late evening and overnight hours as the low level jet veered to a more westerly direction. The storms produced areas of damaging winds and isolated reports of large hail, mainly over Nebraska, as warm and dry air in the mid levels southeast of the region limited the southern extent of development.				
PAGE COUNTY --- ESSEX [40.83, -95.30]				
	07/27/08 13:20 CST		0	Hail (1.00 in)
	07/27/08 13:30 CST		0	Source: Emergency Manager
Hail up to 1 inch in diameter fell in the Essex area for about 10 minutes. The hail caused scattered crop and vehicle damage in the area.				
A return of warmer and more unstable air, in a northwesterly flow aloft environment, helped fuel isolated thunderstorms in southwest Iowa. One storm dropped large hail in the Essex area.				
NEBRASKA, East				
MADISON COUNTY --- 2.0 N NEWMAN GROVE [41.78, -97.78], 0.3 SE NEWMAN GROVE [41.75, -97.78]				
	07/02/08 12:45 CST		0	Hail (1.75 in)
	07/02/08 12:50 CST		0	Source: NWS Employee
Hail up to golfball-size was reported from 2 miles north of Newman Grove into the town itself. The hail covered the ground white and was driven by winds around 40 mph. The wind driven hail caused house and vehicle damage and also destroyed crops in the area.				
PLATTE COUNTY --- 2.0 N LINDSAY [41.73, -97.70], 0.4 NE LINDSAY [41.70, -97.69]				

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	07/02/08 12:55 CST		0	Hail (1.75 in)
	07/02/08 13:00 CST		0	Source: Emergency Manager

Hail up to golfball-size covered the ground from along the Madison county line north of Lindsay into the Lindsay area. The hail was driven by winds estimated at around 55 mph.

WASHINGTON COUNTY --- 2.0 SE FT CALHOUN [41.45, -96.00], 2.0 SW FT CALHOUN [41.45, -96.06]

07/02/08 15:10 CST	0	Hail (1.00 in)
07/02/08 15:15 CST	0	Source: Trained Spotter

Hail up to quarter-size was reported just southwest through southeast of Ft. Calhoun.

DOUGLAS COUNTY --- 2.0 NE (3NO)NORTH OMAHA ARP [41.39, -95.99], 1.0 NW NORTH OMAHA [41.34, -95.98]

07/02/08 15:15 CST	0	Hail (0.88 in)
07/02/08 15:20 CST	0	Source: Trained Spotter

Hail up to nickel-size was reported from about 6 miles south southeast of Ft. Calhoun into the northern part of Omaha near the junction of Highway 75 and Interstate 680.

DOUGLAS COUNTY --- 0.9 E SOUTH OMAHA [41.23, -95.93]

07/02/08 15:55 CST	0	Hail (0.75 in)
07/02/08 15:55 CST	0	Source: NWS Employee

Hail up to penny-size was reported near Interstate 80 and 13th Street. This was from another storm that developed just to the southeast of the first one that produced large hail from the Ft. Calhoun area into north Omaha.

RICHARDSON COUNTY --- 2.0 ENE VERDON [40.16, -95.67]

07/02/08 16:40 CST	0	Hail (0.75 in)
07/02/08 16:40 CST	0	Source: Public

RICHARDSON COUNTY --- 2.0 S SALEM [40.05, -95.72]

07/02/08 17:40 CST	0	Hail (0.75 in)
07/02/08 17:40 CST	0	Source: Public

A pre-frontal surface trough followed by a cold front touched off a few severe thunderstorms across eastern Nebraska.

PLATTE COUNTY --- 0.5 E COLUMBUS [41.43, -97.36]

07/05/08 03:56 CST	0	Hail (0.88 in)
07/05/08 03:56 CST	0	Source: Emergency Manager

SEWARD COUNTY --- 3.0 SW MILFORD [40.74, -97.09], 0.3 N MILFORD [40.77, -97.05]

07/05/08 04:07 CST	0	Hail (1.75 in)
07/05/08 04:07 CST	0	Source: Law Enforcement

Hail up to golfball-size caused damage to property and crops in the Milford area. At least one house had considerable siding damage and a church had a few windows broken out.

JEFFERSON COUNTY --- 0.9 NE HEDRIX [40.19, -97.24]

07/05/08 04:30 CST	0	Hail (1.75 in)
07/05/08 04:30 CST	0	Source: Trained Spotter

JEFFERSON COUNTY --- 2.7 ENE POWELL [40.23, -97.23]

07/05/08 05:20 CST	0	Hail (1.75 in)
07/05/08 05:35 CST	0	Source: Public

Hail up to golfball-size fell for about 15 minutes.

COLFAX COUNTY --- 3.5 S HOWELLS [41.67, -97.00]

07/05/08 06:12 CST	0	Hail (1.00 in)
07/05/08 06:12 CST	0	Source: Trained Spotter

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SALINE COUNTY --- 7.6 S FRIEND [40.54, -97.28]				
	07/05/08 06:31 CST		0	Hail (0.88 in)
	07/05/08 06:31 CST		0	Source: Trained Spotter
COLFAX COUNTY --- 3.5 S HOWELLS [41.67, -97.00]				
	07/05/08 06:45 CST		0	Hail (1.50 in)
	07/05/08 06:45 CST		0	Source: Trained Spotter
The storms also dropped around 4 inches of rain in the area.				
DODGE COUNTY --- 3.1 W WEBSTER [41.60, -96.86]				
	07/05/08 06:58 CST		0	Hail (0.75 in)
	07/05/08 06:58 CST		0	Source: Public
SALINE COUNTY --- 3.2 SSW TOBIAS [40.38, -97.36]				
	07/05/08 07:15 CST		0	Hail (0.88 in)
	07/05/08 07:15 CST		0	Source: Public
Hail up to nickel-size was reported.				
DODGE COUNTY --- 3.1 W WEBSTER [41.60, -96.86], 1.3 ENE WEBSTER [41.61, -96.78]				
	07/05/08 07:35 CST		0	Hail (0.75 in)
	07/05/08 07:55 CST		0	Source: Public
Hail up to penny-size fell for 15 to 20 minutes around 10 miles northwest through north of North Bend. The hail was from the second storm in an hour or so to produce hail 3/4 inch in diameter or larger.				
JEFFERSON COUNTY --- 2.7 ENE POWELL [40.23, -97.23]				
	07/05/08 07:45 CST		0	Hail (1.00 in)
	07/05/08 07:45 CST		0	Source: Public
Hail up to 1 inch in diameter was reported northwest of Fairbury. The storm also dropped very heavy rain with amounts around 4 inches reported.				
DODGE COUNTY --- 3.5 W WEBSTER [41.60, -96.87], 2.3 SSE WEBSTER [41.57, -96.78]				
	07/05/08 08:10 CST		0	Hail (1.00 in)
	07/05/08 08:20 CST		0	Source: Public
Hail up to 1 inch in diameter caused considerable crop damage in a 2 to 3 mile wide strip from near the Colfax county line to near and southeast of Webster , which is north of North Bend on Highway 79.				
JEFFERSON COUNTY --- 2.0 SW FAIRBURY [40.13, -97.20], 2.6 SW FAIRBURY [40.13, -97.21], 2.2 WNW FAIRBURY [40.16, -97.21], 0.7 S FAIRBURY ARPT [40.17, -97.17]				
	07/05/08 08:10 CST		0	Flash Flood (due to Heavy Rain)
	07/05/08 10:10 CST		0	Source: Emergency Manager
Rainfall of 2 to over 4 inches was reported in the Fairbury area from slow moving thunderstorms that repeatedly moved across the area for a several hour period. The heavy rain caused flash flooding near the Crystal Springs Campground prompting some campers to be moved. The flash flooding also caused a county road to be closed briefly just north of Fairbury.				
BURT COUNTY --- 0.9 NE LYONS [41.94, -96.47]				
	07/05/08 08:26 CST		0	Hail (0.88 in)
	07/05/08 08:26 CST		0	Source: Law Enforcement
Penny to nickel-size hail was reported near Lyons.				
SALINE COUNTY --- 7.6 S FRIEND [40.54, -97.28], 7.8 NNE TOBIAS [40.53, -97.28], 8.2 NNE TOBIAS [40.53, -97.27], 6.6 S FRIEND [40.56, -97.27], 6.6 S FRIEND [40.55, -97.28]				
	07/05/08 08:38 CST		0	Flash Flood (due to Heavy Rain)
	07/05/08 09:38 CST		0	Source: Trained Spotter

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Slow moving thunderstorms dropped rainfall that was unofficially measured at 6 inches just south of Friend. The heavy rain caused flash flooding across a few county roads in the area.				

DODGE COUNTY --- 3.2 WNW WEBSTER [41.61, -96.86], 1.7 NE WEBSTER [41.62, -96.78], 1.5 ESE WEBSTER [41.59, -96.77], 3.1 W WEBSTER [41.59, -96.86]

07/05/08 08:50 CST	0	Flash Flood (due to Heavy Rain)
07/05/08 10:50 CST	0	Source: Law Enforcement

Over 4 inches of rain was reported northwest of North Bend from heavy rain producing thunderstorms that hit the area between about 5 and 10 am CDT. The heavy rain caused considerable field flooding with some of the water flowing over county roads in the area, possibly from Silver Creek. The water also flooded across Highway 79 between County Roads J and K for a while.

SALINE COUNTY --- 2.5 WNW DE WITT [40.41, -96.97], 4.1 WNW DE WITT [40.41, -97.00], 3.1 WNW WILBER MUNI ARPT [40.49, -97.03], 4.3 SSE DORCHESTER [40.59, -97.09], 2.4 NW SHESTAK [40.55, -97.01]

07/06/08 17:15 CST	0	Flood (due to Heavy Rain)
07/07/08 21:30 CST	0	Source: Official NWS Observations

Rainfall of at least 2 to 4 inches fell over part of the Turkey Creek basin near Wilber during the morning hours of July 5th. The heavy rain caused Turkey Creek near Wilber to flood for a little over a day beginning on July 6th. The creek near Wilber reached a crest of around 15 feet, flood stage is 11 feet, around 1015am CDT on July 7th. The creek near Wilber was above flood stage from around 615pm on the 6th until 1030pm on the 7th. The flooding affected mainly river bottom-lands, but some crops and a few county roads were flooded for a while.

An increasing low level jet brought moist and unstable air into eastern Nebraska during the early morning hours of July 5th. Slow moving severe thunderstorms developed as a result an hour or so before sunrise. The activity gradually weakened after mid morning as warmer air aloft spread over the region capping the atmosphere and shutting down the precipitation. Besides producing pockets of large hail over the area, localized rainfall amounts of 2 to 4 inches were reported in a few hours time which caused isolated flash flooding and river flooding.

STANTON COUNTY --- 0.7 S PILGER [42.01, -97.05]

07/06/08 14:10 CST	0	Hail (1.00 in)
07/06/08 14:10 CST	0	Source: Public

CEDAR COUNTY --- 2.0 ENE MAGNET [42.46, -97.44]

07/06/08 14:30 CST	0	Thunderstorm Wind (EG 50 kt)
07/06/08 14:30 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at around 60 mph blew over a 5th wheel trailer in the area.

THURSTON COUNTY --- 2.8 S MACY [42.08, -96.36]

07/06/08 14:30 CST	0	Hail (0.88 in)
07/06/08 14:30 CST	0	Source: Public

The hail was reported with 50 mph winds.

CUMING COUNTY --- 6.2 NE BEEMER [41.99, -96.73]

07/06/08 14:45 CST	0	Hail (0.75 in)
07/06/08 14:45 CST	0	Source: Public

A small amount of hail up to 3/4 inch in diameter was reported.

THURSTON COUNTY --- 3.2 SSE MACY [42.08, -96.32]

07/06/08 14:45 CST	0	Thunderstorm Wind (EG 52 kt)
07/06/08 14:45 CST	0	Source: Public

Thunderstorm wind gusts were estimated at 60 mph by the public.

CEDAR COUNTY --- 6.7 ENE COLERIDGE [42.54, -97.08]

07/06/08 15:05 CST	0	Hail (0.75 in)
07/06/08 15:05 CST	0	Source: Public

Although a few hailstones reached 3/4 of an inch in diameter, most of it was smaller.

CEDAR COUNTY --- 2.9 NE LAUREL [42.46, -97.04]

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	07/06/08 15:08 CST		0	Thunderstorm Wind (EG 52 kt)
	07/06/08 15:08 CST		0	Source: Public

Thunderstorm winds estimated at 60 mph blew a small tree down east southeast of Coleridge.

CUMING COUNTY --- 2.1 N BANCROFT [42.05, -96.57]

07/06/08 15:10 CST	0	Thunderstorm Wind (EG 50 kt)
07/06/08 15:10 CST	0	Source: Trained Spotter

A trained weather spotter estimated thunderstorm wind gusts approached 60 mph.

THURSTON COUNTY --- 0.9 SW MACY [42.11, -96.36], 0.7 W MACY [42.12, -96.36], 0.3 SW MACY [42.12, -96.35], 0.6 S MACY [42.11, -96.35]

07/06/08 17:45 CST	0	Flash Flood (due to Heavy Rain)
07/06/08 19:45 CST	0	Source: Law Enforcement

Rainfall of around 2 inches in an hour or two caused street flooding in the Macy area. Some of the flooding briefly entered a few homes in the area.

Very moist and unstable air was situated over eastern Nebraska and southwest Iowa on July 6th. The unstable conditions combined with a weak, nearly stationary front over the area and a weak upper level disturbance, caused a few severe thunderstorms to develop over the region.

LANCASTER COUNTY --- 2.6 SE BENNET [40.65, -96.47]

07/08/08 16:36 CST	0	Tornado (EF0, L: 0.05 mi , W: 10 yd)
07/08/08 16:36 CST	0	Source: Amateur Radio

A brief touchdown of a non-supercell, very narrow rope tornado was reported by an amateur radio operator near Bennett who also captured it on film. The tornado caused no apparent damage.

CASS COUNTY --- 0.5 W MURRAY [40.92, -95.93]

07/08/08 16:54 CST	0	Thunderstorm Wind (EG 50 kt)
07/08/08 16:54 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated by the public at around 60 mph downed a few tree limbs up to 5 feet long and a few inches in diameter.

A line of thunderstorms developed by late afternoon along a very weak nearly stationary front that stretched from southeast Nebraska into southwest Iowa. The line of storms dropped slowly south and spun up several narrow non-supercell funnel clouds or tornadoes on the updraft portion of the leading edge. An isolated storm also produced damaging winds.

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Bennett, Nebraska Rope Funnel cloud. Funnel made a brief touchdown. Photo by Melissa Apel.

PLATTE COUNTY --- 3.2 ESE DUNCAN [41.39, -97.44]

07/09/08 12:55 CST	0	Hail (1.00 in)
07/09/08 12:55 CST	0	Source: Public

PLATTE COUNTY --- 5.6 WNW MONROE [41.51, -97.72], 3.1 E MONROE [41.48, -97.56]

07/09/08 13:44 CST	0	Hail (1.25 in)
07/09/08 13:57 CST	0	Source: Public

Hail up to half dollar-size was reported from west northwest through east of the Monroe area. The hail lasted 10 to 15 minutes in the area.

SEWARD COUNTY --- 9.0 N UTICA [41.01, -97.35]

07/09/08 14:57 CST	0	Hail (0.75 in)
07/09/08 14:57 CST	0	Source: Public

SALINE COUNTY --- 0.5 W TOBIAS [40.42, -97.34]

07/09/08 15:55 CST	0	Hail (1.00 in)
07/09/08 16:16 CST	0	Source: Trained Spotter

Hail up to quarter-size fell in the Tobias area for about 20 minutes. The hail was accompanied by very heavy rain with around 2 inches reported in an hour or so.

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SALINE COUNTY --- 2.8 S TOBIAS [40.38, -97.34]				
	07/09/08 16:20 CST		0	Hail (1.00 in)
	07/09/08 16:20 CST		0	Source: Trained Spotter
The hail caused some crop damage in the area.				
JEFFERSON COUNTY --- 4.2 E DAYKIN [40.32, -97.20]				
	07/09/08 16:44 CST		0	Thunderstorm Wind (EG 50 kt)
	07/09/08 16:44 CST		0	Source: Public
Thunderstorm winds were estimated to have reached close to 60 mph by the public. The winds downed a few tree limbs up to 5 to 6 feet long and 2 inches in diameter.				
JEFFERSON COUNTY --- 2.1 E DAYKIN [40.32, -97.24]				
	07/09/08 16:45 CST		0	Hail (0.75 in)
	07/09/08 16:45 CST		0	Source: Public
JEFFERSON COUNTY --- 1.2 SE DAYKIN [40.31, -97.26], 2.0 ESE DAYKIN [40.31, -97.24], 2.3 NE DAYKIN [40.34, -97.25], 2.1 NNE DAYKIN [40.35, -97.27]				
	07/09/08 19:00 CST		1K	Flood (due to Heavy Rain)
	07/09/08 21:00 CST		0	Source: Emergency Manager
Slow moving thunderstorms dropped 2 to 3 inches of rain over a small area of western Jefferson county in a two hour period . The heavy rain caused some field and ditch runoff to flood across a few county roads east of Daykin , forcing the closure of one. The flooding mainly just washed some gravel off the road and briefly covered crops in low areas.				
A cluster of thunderstorms developed near the Columbus area during the early afternoon hours of July 9th. The storms developed along a weak nearly stationary front aided by high instability in the vicinity and a weak upper level disturbance. The storms drifted slowly south into early evening. Besides a few of them producing strong winds and large hail, some also dumped locally heavy rain. The rain was especially heavy just to the west of the region where some 5 to 6 inch amounts were reported in a several hour period.				
JEFFERSON COUNTY --- 4.2 NW PLYMOUTH [40.34, -97.04]				
	07/11/08 21:00 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/08 21:00 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at 70 mph tore the roof off of a 8,000 bushel grain bin.				
SALINE COUNTY --- 0.5 W TOBIAS [40.42, -97.34], 3.0 ESE TOBIAS [40.40, -97.28]				
	07/11/08 21:07 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/08 21:07 CST		0	Source: Trained Spotter
A spotter estimated thunderstorm winds reached 70 mph in Tobias. The strong winds blew the steeple off of a church 3 miles southeast of town.				
SEWARD COUNTY --- 2.6 NE TAMORA [40.91, -97.19]				
	07/11/08 21:10 CST		0	Thunderstorm Wind (EG 61 kt)
	07/11/08 21:10 CST		0	Source: Public
Thunderstorm wind gusts estimated at 70 mph blew a well constructed shed down 5 miles west of Seward.				
SALINE COUNTY --- 0.7 S WESTERN [40.39, -97.20]				
	07/11/08 21:25 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/08 21:25 CST		0	Source: Trained Spotter
A thunderstorm wind gust estimated at around 60 mph was reported in Western.				
SEWARD COUNTY --- STAPLEHURST [40.97, -97.17]				
	07/11/08 21:27 CST		0	Thunderstorm Wind (EG 52 kt)
	07/11/08 21:27 CST		0	Source: Law Enforcement
Law Enforcement estimated thunderstorm wind gusts of 60 mph in the Staplehurst area.				
LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]				

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	07/11/08 22:05 CST		0	Thunderstorm Wind (EG 59 kt)
	07/11/08 22:05 CST		0	Source: ASOS

The Asos at the Lincoln airport measured a thunderstorm wind gust of 68 mph. The strong winds downed a few large tree limbs in town.

SARPY COUNTY --- SPRINGFIELD [41.08, -96.13]

07/11/08 22:30 CST	0	Thunderstorm Wind (EG 56 kt)
07/11/08 22:30 CST	0	Source: Law Enforcement

Thunderstorm winds estimated at 65 mph downed a few trees and a power pole in the Springfield area.

THURSTON COUNTY --- 0.9 SW PENDER [42.11, -96.71]

07/12/08 01:45 CST	0	Hail (0.75 in)
07/12/08 01:45 CST	0	Source: Emergency Manager

A cold front that moved across the area kicked off a relatively small complex of severe thunderstorms over east central and southeast Nebraska and southwest Iowa. Initially, as the front came through during the late afternoon hours, warm mid level temperatures limited coverage and strength of the activity. However, around sunset mid level cooling, aided by a weak upper level disturbance, helped increase the strength of convection that was developing above the cap just to the west of the area. These thunderstorms then tracked across the region and produced areas of damaging winds. An isolated thunderstorm produced marginally severe-size hail well north of the complex several hours after they had weakened.

(NE-Z065) SEWARD

07/15/08 04:30 CST	0	High Wind (MAX 50 kt)
07/15/08 04:30 CST	0	

A decaying area of showers and thunderstorms spread strong non-thunderstorm wind gusts across Seward county.

WASHINGTON COUNTY --- 6.2 NE SPIKER [41.67, -96.22]

07/15/08 16:25 CST	0	Thunderstorm Wind (EG 52 kt)
07/15/08 16:25 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated around 60 mph knocked a large tree down near Herman.

BOONE COUNTY --- ALBION MUNI ARPT [41.73, -98.05], 0.7 SSW ALBION [41.69, -98.00]

07/15/08 17:53 CST	0	Thunderstorm Wind (MG 54 kt)
07/15/08 17:53 CST	0	Source: AWOS

A thunderstorm gust was measured at 62 mph at the Albion Awos. Similar gusts were estimated by Law Enforcement around that same time. The strong winds caused scattered power outages in the area and was accompanied by hail up to quarter-size.

DODGE COUNTY --- 2.3 SSE WEBSTER [41.57, -96.78]

07/15/08 17:53 CST	0	Hail (2.50 in)
07/15/08 18:03 CST	0	Source: Public

Hail close to baseball-size fell 7 miles north of North Bend. The large hail caused a several mile wide swath of crop damage in the area.

DOUGLAS COUNTY --- 0.7 N VALLEY [41.33, -96.35]

07/15/08 18:00 CST	0	Heavy Rain
07/15/08 21:00 CST	0	Source: Official NWS Observations

Rainfall of 2.22 inches was measured at the NWS office in Valley between 7 and 10pm CDT.

BOONE COUNTY --- 0.7 S ALBION [41.69, -98.00]

07/15/08 18:05 CST	0	Hail (1.00 in)
07/15/08 18:05 CST	0	Source: Law Enforcement

Nickel to quarter-size hail was reported along with strong winds and very heavy rain in the Albion area. Winds were measured at 62 mph at the Albion Awos a few minutes earlier.

DOUGLAS COUNTY --- 2.1 N VALLEY [41.35, -96.35], 1.0 SE VALLEY [41.31, -96.33]

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/15/08 19:15 CST		0	Hail (1.75 in)
	07/15/08 19:30 CST		0	Source: Broadcast Media

Hail up to golfball-size fell for about 15 minutes in and north through east of the Valley area . The hail broke some windows out of a house east of town and caused scattered other house and vehicle damage in the area.

DOUGLAS COUNTY --- 0.7 N VALLEY [41.33, -96.35]

07/15/08 19:18 CST	0	Thunderstorm Wind (EG 52 kt)
07/15/08 19:18 CST	0	Source: Official NWS Observations

A thunderstorm wind gust of 60 mph was measured at the NWS office. The strong winds caused some tree damage in Valley and knocked the power out across much of the town for a few hours.

DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]

07/15/08 19:27 CST	0	Hail (1.00 in)
07/15/08 19:27 CST	0	Source: Public

Hail up to quarter-size was reported in northwest Omaha near 157th street.

DOUGLAS COUNTY --- 0.1 ESE LANE [41.25, -96.18], 1.8 NW MILLARD [41.24, -96.15]

07/15/08 19:55 CST	0	Thunderstorm Wind (EG 50 kt)
07/15/08 20:10 CST	0	Source: Broadcast Media

Thunderstorm wind gusts estimated at close to 60 mph pushed over a large tree near 168 th and Pacific and snapped a few trees off in the Harvey Oaks area causing deck and fence damage.

DOUGLAS COUNTY --- 1.4 N VALLEY [41.34, -96.35]

07/15/08 19:58 CST	0	Thunderstorm Wind (EG 50 kt)
07/15/08 19:58 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at close to 60 mph blew a shed onto the road near 264th and Rainwood.

LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]

07/15/08 20:42 CST	0	Thunderstorm Wind (EG 50 kt)
07/15/08 20:42 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at around 60 mph downed large branches near 37th and D Streets.

GAGE COUNTY --- 0.9 SW ADAMS [40.46, -96.51]

07/15/08 21:00 CST	0	Thunderstorm Wind (EG 50 kt)
07/15/08 21:00 CST	0	Source: Trained Spotter

A spotter estimated thunderstorm wind gusts as high as around 60 mph in the Adams area.

SARPY COUNTY --- 0.8 ESE AVERY [41.17, -95.92], 0.7 S (OFF)OFFUTT AFB [41.11, -95.92]

07/15/08 21:26 CST	0	Thunderstorm Wind (EG 59 kt)
07/15/08 21:31 CST	0	Source: AWOS

Thunderstorm gusts were measured at 68 mph by Awos at Offutt Afb. The strong winds caused scattered power outages in the Bellevue area.

CASS COUNTY --- PLATTSMOUTH [41.02, -95.90]

07/15/08 21:35 CST	0	Thunderstorm Wind (EG 55 kt)
07/15/08 21:35 CST	0	Source: Newspaper

Thunderstorm wind gusts estimated at over 60 mph downed a few trees and numerous tree limbs in the Plattsmouth area. The fallen trees caused scattered power outages.

DOUGLAS COUNTY --- 1.0 NW ELKHORN [41.29, -96.25], 0.7 S VALLEY [41.31, -96.35], 3.2 N VALLEY [41.37, -96.36], 1.9 E ELK CITY [41.37, -96.24]

07/15/08 21:40 CST	2K	Flash Flood (due to Heavy Rain)
07/15/08 22:45 CST	0	Source: Fire Department/Rescue

Several county roads were closed briefly in western Douglas county near the Valley area due to flash flooding . Also cars reportedly stalled out as they encountered deep water near 208th and Maple in west Elkhorn. Three to 5 inches of rain was reported in the area. Reported damage was minimal.

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SALINE COUNTY --- 0.5 E DORCHESTER [40.65, -97.11]				
	07/15/08 21:43 CST		0	Hail (0.88 in)
	07/15/08 21:45 CST		0	Source: Emergency Manager
Hail up to nickel-size lasted for a few minutes.				
SALINE COUNTY --- 0.5 E DORCHESTER [40.65, -97.11]				
	07/15/08 21:45 CST		0	Thunderstorm Wind (EG 50 kt)
	07/15/08 21:45 CST		0	Source: Emergency Manager
Thunderstorm winds estimated at 60 mph knocked over 2 trees that fell on vehicles in town along with downing numerous branches.				
SAUNDERS COUNTY --- 1.4 E MORSE BLUFF [41.43, -96.75], 0.5 E MORSE BLUFF [41.43, -96.77], 0.7 NE MORSE BLUFF [41.44, -96.77], 1.6 ENE MORSE BLUFF [41.44, -96.75]				
	07/15/08 22:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	07/15/08 23:00 CST		0	Source: Law Enforcement
Doppler radar estimated that around 3 inches of rain fell in a several hour or less period near Morse Bluff and this was backed by a public report of 3 inches in one hour. The heavy rain produced flooding which briefly closed a road near Highway 79 in town. Apparent damage was minimal.				
SALINE COUNTY --- 4.8 WNW WILBER MUNI ARPT [40.50, -97.06], 3.7 WSW DE WITT [40.38, -96.99], 0.5 S DE WITT [40.39, -96.92], 2.0 SSW SHESTAK [40.50, -96.99]				
	07/16/08 05:45 CST		25K	Flood (due to Heavy Rain)
	07/19/08 03:30 CST		0	Source: Official NWS Observations
Rainfall of 2 to 4 inches fell across much of the Turkey Creek basin on July 15-16. This caused Turkey Creek to flood from near Wilber toward its confluence with the Blue River. The stage at Wilber reached a little over 14 feet around 5 pm CDT on July 16, flood stage is 11 feet. The creek briefly dropped below flood stage during the evening of July 17th, but additional heavy rain producing thunderstorms caused a second crest of around 12.5 feet during the afternoon of July 18th before the creek fell below flood stage early on the 19th. The flooding affected mainly agricultural lowlands but also flooded a few county roads.				
SEWARD COUNTY --- MILFORD [40.77, -97.05], 0.6 E MILFORD [40.77, -97.04], 1.3 SSE MILFORD [40.75, -97.04], 2.8 SSW MILFORD [40.73, -97.08], 1.5 W MILFORD [40.77, -97.08]				
	07/16/08 06:00 CST		25K	Flood (due to Heavy Rain)
	07/16/08 16:00 CST		0	Source: Law Enforcement
Rainfall of 3.5 inches fell overnight on July 15-16 in the Milford area. This caused flooding along Coon Creek which flooded a park and golf course on the south side of town and also closed a few county roads in the area.				
SALINE COUNTY --- 3.8 NW CRETE [40.67, -97.00], 1.0 SW SHESTAK [40.52, -96.98], 2.3 S DE WITT [40.37, -96.92], 3.2 E DE WITT [40.39, -96.86], 3.8 N CRETE [40.68, -96.94]				
	07/16/08 08:00 CST		25K	Flood (due to Heavy Rain)
	07/21/08 13:45 CST		0	Source: Official NWS Observations
Rainfall of 2 to 4 inches fell across sections of the Blue River basin on July 15-16. This caused the Blue River to flood from near Crete to the confluence with Turkey Creek, which was also in flood. The stage of the Big Blue at Crete reached around 23 feet at 2 am CDT on July 17, flood stage is 18 feet. Although the river dropped to around flood stage during the morning hours of July 18th, additional heavy rain that fell over part of the basin on the 17th brought a second crest to the river of around 22 feet during the afternoon of July 19th. The flooding affected mainly agricultural lowlands but also flooded a few county roads.				
Thunderstorms developed on the edge of an instability axis over northeast Nebraska during the mid afternoon hours of July 15th. Surface temperatures in the 90s and dewpoint temperatures of 65 to 70 degrees were common in the more unstable air just south of where the convection developed, compared to slightly hotter but drier air just to the north. The thunderstorms produced strong winds...areas of very heavy rain and isolated large hail as they congealed into a bow and moved southeast across the Omaha and Lincoln areas before weakening in strength over far southeast Nebraska. Additional thunderstorms developed then...mostly west of Lincoln. Although they mostly remained below severe limits, they produced additional areas of heavy rain which caused flooding in Seward and Saline counties. Lightning was frequent with the storms, especially when they crossed the Omaha metro area.				

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Tree blown down on a home in the Harvey Oaks Subdivision of west Omaha. Photo courtesy of Marge and Hague Howey.

PLATTE COUNTY --- 0.5 E ROSENBERG [41.65, -97.76]

07/17/08 12:25 CST	0	Hail (0.75 in)
07/17/08 12:25 CST	0	Source: Public

SAUNDERS COUNTY --- 2.1 NW WESTON [41.22, -96.78]

07/17/08 15:05 CST	0	Thunderstorm Wind (MG 53 kt)
07/17/08 15:05 CST	0	Source: COOP Observer

The cooperative observer just northwest of Weston measured a thunderstorm wind gust of 61 mph with weather equipment. The thunderstorm was accompanied by pea-size hail and an inch of rain that fell in 1 hour.

SAUNDERS COUNTY --- 0.5 E MEAD [41.23, -96.49]

07/17/08 15:27 CST	0	Hail (0.88 in)
07/17/08 15:27 CST	0	Source: Public

SAUNDERS COUNTY --- 0.7 N CERESCO [41.06, -96.65]

07/17/08 15:32 CST	0	Thunderstorm Wind (EG 61 kt)
07/17/08 15:32 CST	0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The emergency manager of Saunders county was nearly blown off the road by thunderstorm winds estimated at 70 mph. Two wheels of his vehicle were briefly lifted off the road.				

THURSTON COUNTY --- 4.1 NW THURSTON [42.22, -96.76]

07/17/08 18:05 CST	0	Thunderstorm Wind (EG 52 kt)
07/17/08 18:05 CST	0	Source: Public

Tree limbs and corn were blown down by thunderstorm winds estimated at 60 mph.

THURSTON COUNTY --- 0.9 SW PENDER [42.11, -96.71]

07/17/08 18:08 CST	0	Thunderstorm Wind (EG 52 kt)
07/17/08 18:08 CST	0	Source: Law Enforcement

A tree was downed in the Pender area by thunderstorm wind gusts estimated at 60 mph.

THURSTON COUNTY --- 0.5 W WALTHILL [42.15, -96.49]

07/17/08 18:40 CST	0	Thunderstorm Wind (EG 52 kt)
07/17/08 18:40 CST	0	Source: Law Enforcement

Trees were downed by thunderstorm winds estimated at least at 60 mph in the Walthill area. The storm was accompanied by very heavy rain.

PAWNEE COUNTY --- 4.2 N TABLE ROCK [40.24, -96.09]

07/17/08 19:09 CST	0	Heavy Rain
07/17/08 19:09 CST	0	Source: COOP Observer

The cooperative observer reported 1.90 inches of rain fell in 35 minutes.

JEFFERSON COUNTY --- 1.9 W REYNOLDS [40.07, -97.37], 4.7 SSW REYNOLDS [40.01, -97.37], 6.0 SW ENDICOTT [40.01, -97.16], 1.2 E FAIRBURY [40.15, -97.15], 1.3 ESE GLADSTONE [40.17, -97.28]

07/17/08 19:10 CST	0	Flash Flood (due to Heavy Rain)
07/18/08 00:10 CST	0	Source: Law Enforcement

Emergency management reported that 4 inches of rain fell in the Fairbury area with reports of 4 to 6 inches south of town. The heavy rain caused flash flooding which closed numerous roads in Fairbury and caused 2 collapses to the city's sewer system. In addition, many county roads south of town, especially along Rose Creek, were flooded. The flooding washed out culverts and caused road damage...mainly south of Fairbury. Flooding continued along Rose Creek well into Saturday July 19th.

GAGE COUNTY --- (BIE)BEATRICE ARPT [40.30, -96.75], 5.5 NW HOAG [40.38, -96.90], 3.0 WSW BEATRICE [40.25, -96.78], 2.6 WNW BARNESTON [40.07, -96.62], 1.3 E BARNESTON [40.05, -96.56], 3.5 NNW HOLMESVILLE [40.25, -96.67]

07/17/08 19:45 CST	0	Flood (due to Heavy Rain)
07/19/08 13:00 CST	0	Source: Official NWS Observations

Heavy rain on Wednesday July 16th brought a significant increase in Big Blue River flows in Gage county into Thursday July 17th. Additional heavy rain, with some reports of over 4 inches, that fell during the evening hours of July 17th caused the Big Blue River to flood. The stage at Beatrice climbed to nearly 18.3 feet around 130am CDT on July 18th, flood stage is 16 feet. The flooding closed several county roads, including the Holmesville blacktop and Odell blacktop. Highway 77 from Beatrice to Maple Road was closed for about an hour Thursday night because of water over the road. Several gravel roads were washed out and a few streets in the Beatrice area were flooded and campers were evacuated out of a city park Thursday night. The flooding also affected agricultural lowlands.

GAGE COUNTY --- 2.3 SSW BEATRICE [40.24, -96.75]

07/17/08 20:15 CST	0	Heavy Rain
07/17/08 20:15 CST	0	Source: Trained Spotter

Around 4.5 inches of rain was reported in a few hours time south of Beatrice.

JOHNSON COUNTY --- 0.5 W TECUMSEH [40.37, -96.19]

07/17/08 20:45 CST	0	Heavy Rain
07/17/08 20:45 CST	0	Source: Trained Spotter

A spotter reported nearly 3 inches of rain in a few hours time.

GAGE COUNTY --- 4.1 SSW CLATONIA [40.42, -96.87], 1.6 NE LANHAM [40.02, -96.86], 3.9 SSW LIBERTY [40.03, -96.50], 1.3 S ADAMS [40.45, -96.50]

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	07/17/08 21:15 CST		0	Flash Flood (due to Heavy Rain)
	07/18/08 00:15 CST		0	Source: Emergency Manager
Between 2.5 and 5 inches of rain was reported over much of Gage county centered on Beatrice. The heavy rain caused flash flooding across numerous county roads prompting their closure.				
RICHARDSON COUNTY --- STELLA [40.23, -95.77]				
	07/17/08 21:15 CST		0	Heavy Rain
	07/17/08 21:15 CST		0	Source: Trained Spotter
A spotter reported 2.8 inches of rain in Stella.				
JEFFERSON COUNTY --- FAIRBURY [40.15, -97.17], 2.6 NNW REYNOLDS [40.10, -97.35], 3.7 SW REYNOLDS [40.04, -97.39], 4.8 SE THOMPSON [40.03, -97.18], 3.1 S ENDICOTT [40.03, -97.11], 2.7 SW JANSEN [40.16, -97.12]				
	07/18/08 00:10 CST		0	Flood (due to Heavy Rain)
	07/19/08 17:00 CST		0	Source: Emergency Manager
Flooding continued mainly south of the Fairbury area for a few days after heavy rain fell during the evening of July 17th. The flooding was most pronounced along Rose Creek where culverts were washed out and county roads were damaged. However, additional flooding was noted on Highway 8 west of Reynolds. Three county road bridges were under water across the county, but little damage was noted. However, several roads were closed for days because road tubes under them were washed out.				
A weak cold front touched off thunderstorms in northeast Nebraska during the early afternoon hours of July 17th. The storms produced a few large hail and strong wind reports as they moved southeast. The storms worked ahead of the front from late afternoon into the early evening hours as they encountered an even more moist environment. The storms movement slowed down and tracked across the same area for several hours producing some reports of very heavy rain and flash flooding south of Lincoln. In some areas the rain fell on already wet ground with rivers running high from heavy rain the previous day...thus some river flooding developed or was prolonged. In addition...other storms redeveloped near the weak front in northeast Nebraska by early evening producing a few additional reports of damaging winds.				
COLFAX COUNTY --- 8.3 N RICHLAND [41.55, -97.21]				
	07/20/08 07:39 CST		0	Hail (1.00 in)
	07/20/08 07:39 CST		0	Source: Public
The hail fell near the Platte/Colfax county line and was jagged shaped.				
COLFAX COUNTY --- 9.0 SSE LEIGH [41.58, -97.16]				
	07/20/08 08:25 CST		0	Hail (1.00 in)
	07/20/08 08:25 CST		0	Source: Public
The second storm to produce hail in the area during the morning.				
BUTLER COUNTY --- 1.0 E ABIE [41.33, -96.95]				
	07/20/08 08:36 CST		0	Hail (1.00 in)
	07/20/08 08:36 CST		0	Source: Public
The hail was mostly 1/2 inch or smaller but a few stones reached quarter-size.				
COLFAX COUNTY --- 2.1 NNE SCHUYLER [41.48, -97.06], 1.2 SE SCHUYLER [41.44, -97.06]				
	07/20/08 08:56 CST		3M	Hail (1.75 in)
	07/20/08 09:20 CST		0	Source: Emergency Manager
Hail up to golfball-size fell in the Schuyler area for around 20 minutes. The hail caused considerable damage to houses, vehicles and trees in town. The ground was almost completely covered white with hail and hail fragments. An insurance agent stated the damage was in the "millions" of dollars.				
COLFAX COUNTY --- 0.5 E CLARKSON [41.72, -97.12]				
	07/20/08 09:18 CST		0	Hail (1.00 in)
	07/20/08 09:18 CST		0	Source: Trained Spotter
STANTON COUNTY --- 12.1 SE STANTON [41.83, -97.06]				
	07/20/08 09:50 CST		0	Hail (1.00 in)
	07/20/08 09:50 CST		0	Source: Emergency Manager

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A few quarter-size hailstones fell near the Jct of Highways 15 and 32.				
DODGE COUNTY --- 5.8 SW WEBSTER [41.55, -96.89]				
	07/20/08 10:03 CST		0	Hail (0.75 in)
	07/20/08 10:03 CST		0	Source: Trained Spotter
DODGE COUNTY --- 0.5 E SNYDER [41.70, -96.79]				
	07/20/08 10:20 CST		0	Hail (0.88 in)
	07/20/08 10:20 CST		0	Source: Trained Spotter
<p>Severe thunderstorms that produced large hail developed around sunrise on July 20th over northeast Nebraska. The storms developed north of a weak stationary front over eastern Nebraska and were fed by an elevated layer of warm and moist air. The storms tracked slowly southeast and would dissipate as they moved away from their source and into a warm and dry layer of air aloft. However, before they dissipated they became efficient hail producers, especially in sections of Colfax county where extensive damage was noted in the Schuyler area.</p>				
ANTELOPE COUNTY --- 1.6 WNW ORCHARD [42.34, -98.28], 0.9 NE ORCHARD [42.34, -98.24]				
	07/20/08 22:55 CST		0	Thunderstorm Wind (EG 55 kt)
	07/20/08 23:00 CST		0	Source: Law Enforcement
Thunderstorm winds estimated at 60 to 70 mph knocked over or split several large trees and downed numerous tree limbs in the Orchard area. A few power lines were also downed and some roof damage was noted. West of town two grain bins were blown 500 feet battered and crumpled.				
ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]				
	07/20/08 23:05 CST		0	Thunderstorm Wind (EG 60 kt)
	07/20/08 23:05 CST		0	Source: Trained Spotter
Thunderstorm winds estimated at 60 to 70 mph downed large tree limbs in town and caused a storage building at a lumber yard to partially collapse.				
ANTELOPE COUNTY --- NELIGH [42.13, -98.03]				
	07/20/08 23:09 CST		0	Thunderstorm Wind (EG 65 kt)
	07/20/08 23:09 CST		0	Source: Law Enforcement
Thunderstorm winds estimated at around 75 mph downed several trees and knocked down numerous large limbs throughout town. The trees and limbs downed power lines and also blocked a few streets. Some fence damage was also noted.				
PIERCE COUNTY --- PIERCE [42.20, -97.53]				
	07/20/08 23:22 CST		0	Thunderstorm Wind (EG 55 kt)
	07/20/08 23:22 CST		0	Source: Law Enforcement
Large tree limbs and power lines were downed in the Pierce area by thunderstorm wind gusts estimated at over 60 mph.				
STANTON COUNTY --- STANTON [41.95, -97.23]				
	07/20/08 23:50 CST		0	Thunderstorm Wind (EG 55 kt)
	07/20/08 23:50 CST		0	Source: Newspaper
A few trees and many tree limbs were downed in the Stanton area by thunderstorm wind gusts estimated at over 60 mph.				
THURSTON COUNTY --- 0.9 SW PENDER [42.11, -96.71]				
	07/21/08 00:00 CST		0	Thunderstorm Wind (EG 52 kt)
	07/21/08 00:00 CST		0	Source: Emergency Manager
Thunderstorm wind gusts were estimated at around 60 mph in the Pender area. The winds preceded hail, which reached nickel-size, that fell from the storm by about 20 minutes.				
THURSTON COUNTY --- 0.9 SW PENDER [42.11, -96.71]				
	07/21/08 00:25 CST		0	Hail (0.88 in)
	07/21/08 00:25 CST		0	Source: Emergency Manager

A line of severe thunderstorms developed over north central and northwest Nebraska during the early evening hours of July 21. The storms developed north of a weak cold front/outflow boundary left over from morning thunderstorms in northeast Nebraska. Since the storms developed on the edge of an extremely unstable airmass, a few supercells were embedded within the line. The activity shifted east during the late evening and overnight hours as the low level jet veered to a more westerly direction. The storms produced areas

Storm Data and Unusual Weather Phenomena - July 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
of damaging winds and isolated reports of large hail. Warm and dry air in the mid levels south of the region limited the southern extent of development.				
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PAWNEE COUNTY --- 5.1 SSW BERNADT ARPT [40.11, -96.25]				
	07/24/08 17:40 CST		0	Thunderstorm Wind (EG 52 kt)
	07/24/08 17:40 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at 60 mph violently shook a spotter's vehicle west of Pawnee City.				
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PAWNEE COUNTY --- DU BOIS [40.03, -96.05]				
	07/24/08 17:40 CST		0	Thunderstorm Wind (EG 60 kt)
	07/24/08 17:40 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at around 70 mph blew down a very large mature tree in town and also caused other tree damage.				
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RICHARDSON COUNTY --- 4.2 S HUMBOLDT [40.11, -95.94]				
	07/24/08 18:00 CST		0	Thunderstorm Wind (EG 55 kt)
	07/24/08 18:00 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at over 60 mph blew a refrigerator from the yard into the side of a house.				
A weak low pressure system and associated warm front over southeast Nebraska, accompanied by a weak upper level disturbance dropping southeast, help spawn a few early evening severe thunderstorms over southeast Nebraska. The storms produced areas of strong and damaging winds over a small area of far southeast Nebraska.				